

CLAIMS

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1. A method of immunizing an adult human, comprising:
- a) providing: i) an adult with symptoms of autoimmune disease, and ii) an immunizing preparation comprising an Autoimmune Target Antigen and a Th2 Response Inducing Adjuvant; and
 - b) immunizing said adult with said immunizing preparation under conditions such that said symptoms are reduced.
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2. The method of Claim 1, further comprising the steps of:
- c) obtaining a primary cell population from said immunized adult comprising T cells capable of secreting cytokines;
 - d) adding said primary cell population to said microwell comprising a hydrophobic membrane having a first cytokine binding ligand, under conditions such that said T cell secretes a cytokine that binds to said first cytokine binding ligand; and
 - e) detecting said secreted T cell cytokine.
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3. The method of Claim 1, wherein said adult has symptoms of multiple sclerosis and said Autoimmune Target Antigen is myelin basic protein.
4. The method of Claim 1, wherein said adult has symptoms of multiple sclerosis and said Autoimmune Target Antigen is proteolipid protein.
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5. The method of Claim 1, wherein said adult has symptoms of Type 1 Diabetes and said Autoimmune Target Antigen is glutamic acid decarboxylase.
6. The method of Claim 1, wherein said adult has symptoms of Behcet's disease and said Autoimmune Target Antigen is intra photoreceptor binding protein.

7. The method of Claim 1, wherein said adult has symptoms of Behcet's disease and said Autoimmune Target Antigen is S-antigen.

8. The method of Claim 1, wherein said adult has symptoms of interstitial nephritis and said Autoimmune Target Antigen is renal tubular antigen.

5 9. The method of Claim 1, wherein said Th2 Response Inducing Adjuvant is Incomplete Freund's Adjuvant.

10. A method of immunizing an adult human, comprising:

10 a) providing: i) an adult with symptoms of infection by a pathogenic organism, and ii) an immunizing preparation comprising one or more antigens of said pathogenic organism and a Selective Th Response Inducing Adjuvant; and

b) immunizing said adult with said immunizing preparation under conditions such that said symptoms are reduced.

11. The method of Claim 10, further comprising the steps of:

15 c) obtaining a primary cell population from said immunized adult comprising T cells capable of secreting cytokines;

20 d) adding said primary cell population to said microwell comprising a hydrophobic membrane having a first cytokine binding ligand, under conditions such that said T cell secretes a cytokine that binds to said first cytokine binding ligand; and

e) detecting said secreted T cell cytokine.

12. The method of Claim 10, wherein said pathogen is an intracellular pathogen.

13. The method of Claim 10, wherein said pathogen is an extracellular pathogen.

14. The method of Claim 10, wherein said Selective Th Response Inducing Adjuvant is Incomplete Freund's Adjuvant.

5 15. The method of Claim 10, wherein said Selective Th Response Inducing Adjuvant is Pertussis toxin.

16. The method of Claim 13, wherein said pathogen is a member of the *Helicobacter* genus.

17. The method of Claim 16, wherein said pathogen is *H. pylorii*.

add
P02

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E3

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E4

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D2